



Header Data

Released On	15.05.2006 04:43:13
Release Status	Released for Customer
Component	MM-PUR-PO-BAPI BAPIs - Purchase order
Other Components	MM-PUR-REQ-BAPI BAPIs - Purchase requisition
	MM-SRV-BPI BAPIs
Priority	Correction with low priority
Category	Program error

Symptom

When you have problems with BAPIs in purchasing, Note 375886 'BAPI: Error analysis for BAPIs in purchasing' asks you to generate a test data example in the Function Builder (Transaction SE37). This is relatively complicated and time-consuming.

Other Terms

BAPI_PO_CREATE
 BAPI_PO_GETDETAIL
 BAPI_PO_GETITEMS
 BAPI_PO_CREATE1
 BAPI_PO_CHANGE
 BAPI_REQUISITION_CREATE
 BAPI_REQUISITION_CHANGE
 BAPI_REQUISITION_GETDETAIL
 BAPI_ENTRYSHEET_CHECK
 BAPI_ENTRYSHEET_CREATE
 BAPI_ENTRYSHEET_DELETE
 BAPI_ENTRYSHEET_GETDETAIL
 BAPI_ENTRYSHEET_GETLIST
 BAPI_ENTRYSHEET_GETREINFO
 BAPI_ENTRYSHEET_RELEASE
 BAPI_ENTRYSHEET_RESET_RELEASE

Reason and Prerequisites

Troubleshooting for BAPI problems is difficult if the parameters transferred to the interface are not completely available as a test data record. This is particularly problematic if the BAPI is called by RFC, and then debugging is very complicated or cannot be performed at all. For example, this is the case when the BAPI is called from SAP applications such as SRM and APO, but in particular, when the BAPI is called from external systems that are programmed with Java, Microsoft Visual Basic or C++ and that use SAP integration technology such as BAPI ActiveX Control, C++ class libraries, or Java Connector. In these cases, it would be useful to have a complete test data record in the Function Builder, which could be used to reproduce the error in the target system. This note describes the procedure for the automatic generation of a test data record.

For releases up to and including 4.6C, it is prerequisite that you implement Note 519292. You must also use Note 519292 to activate the function for other function modules.

Solution

It is essential that you read Note 517767, which contains a complete description of all the necessary steps.

This note includes only a brief description.

For the BAPIs and function modules specified under 'Other Terms', you have the option to generate test data records automatically when the BAPIs or function modules are called. These test data records can be imported and executed using the test data directory of the Function Builder. Follow the step by step instruction to activate the generation of test data records:

1. For the user, under whose name the call is to be executed, enter parameter FBGENDAT = X. Use Transaction SU01 to do this. If the call comes from an external system, the caller can be an RFC user.
2. Execute report FBGENDAT to activate the generation of test data records for certain function modules.

Enter the corresponding function module in the first line. Choose the mode in which you want to generate the report and execute it. The displayed list shows all function modules for which the test data generator is active and in which mode.

The following modes are available for selection:

- a) A test data record is created after the call of the function module and the calling program ends with a termination message (dump).
- b) A test data record is created after the call of the function module and the function module is processed normally.
- c) NO test data record is generated. The program runs into an endless loop at the start of the function module. You can use Transaction SM50 to debug the process. You can stop the endless loop by setting the lv_exit_gd field to 'X' and you can then continue the process in individual steps.
- d) A test data record is prepared after the call of the function module, but it is not stored. You can do this manually from a suitable place in the following source code on a case by case basis, for example. Insert the following lines:

```
...
data ls_header type header_fb.
import ls_header-area
      ls_header-name
      from memory id 'fbgendat'.
if sy-subrc = 0.
perform db_export_datadir(saplseuj) using
      ls_header-area
      ls_header-name
      '999'.

endif.
...
```

3. Start the BAPI call and check whether a test data record was generated in the Function Builder.

4. Deactivate the generation of test data records by deleting the entries in report FBGENDAT and resetting the user parameter.

Validity

Software Component	From Rel.	To Rel.	And Subsequent
SAP_APPL	46A	46B	☐
	46C	46C	☐
	470	470	☐
	500	500	☐
	600	600	☐
	602	602	☐
	603	603	☐
	604	604	☐

Correction Instructions

Correction Instructions			
Software Component	Valid from	Valid to	Number
SAP_APPL	46B	46B	533569
SAP_APPL	46C	46C	562291
SAP_APPL	470	470	651889

Support Packages & Patches

Support Packages		
Software Component	Release	Support Package
SAP_APPL	46B	SAPKH46B53
	46C	SAPKH46C42
	470	SAPKH47002
	470	SAPKH47010

References

This document refers to:

SAP Notes

1879905 [Generate test data for external billing interface](#)

1167867 [Debugging for handling unit BAPIs](#)
1027212 [Follow-on Note of Note 957718](#)
1000184 [Account assignment error when document transfer to back end](#)
862534 [Logistics Integration with CRM Service](#)
602225 [Automatic generation of Test data in IS OIL Function modules](#)
582221 [FAQ: BAPIs for purchase orders](#)
519292 [Generate test data for function modules - implementation](#)
375886 [BAPI: Error analysis for BAPIs in purchasing](#)

This document is referenced by:

SAP Notes (11)

582221 [FAQ: BAPIs for purchase orders](#)
1010523 [Debugging workflow function modules](#)
1879905 [Generate test data for external billing interface](#)
1167867 [Debugging for handling unit BAPIs](#)
602225 [Automatic generation of Test data in IS OIL Function modules](#)
519292 [Generate test data for function modules - implementation](#)
1027212 [Follow-on Note of Note 957718](#)
1262701 [Debugging IUID MESSAGE COMMUNICATION](#)
1000184 [Account assignment error when document transfer to back end](#)
862534 [Logistics Integration with CRM Service](#)
375886 [BAPI: Error analysis for BAPIs in purchasing](#)